



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: <b>PCT/SE97/02000</b> (22) International Filing Date: <b>28 November 1997 (28.11.97)</b> (30) Priority Data: <b>9604409-4</b> <b>29 November 1996 (29.11.96)</b> <b>SE</b> (71) Applicant: <b>TELEFONAKTIEBOLAGET LM ERICSSON</b> <b>[SE/SE]; S-126 25 Stockholm (SE).</b> (72) Inventors: <b>TÖNNBY, Ingmar; Sturegatan 60, S-114 36</b> <b>Stockholm (SE). HANSSON, Allan; Åsögatan 129, 4tr,</b> <b>S-116 24 Stockholm (SE).</b> (74) Agents: <b>HEDMAN, Anders et al.; Dr. Ludwig Brann</b> <b>Patentbyrå AB, P.O. Box 1344, S-751 43 Uppsala (SE).</b>		(81) Designated States: <b>AL, AM, AT, AU, AZ, BA, BB, BG, BR,</b> <b>BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE,</b> <b>GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK,</b> <b>LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO,</b> <b>NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,</b> <b>TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH,</b> <b>KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ,</b> <b>BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE,</b> <b>CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,</b> <b>PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,</b> <b>ML, MR, NE, SN, TD, TG).</b>  Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>	
(54) Title: <b>GENERAL ACCESS SYSTEM</b>			
(57) Abstract			
<p>The present invention discloses a general access system for access to communication services, such as telecommunication, data communication and distribution of TV and radio. The access system comprises a connectivity network, a number of access adapters connected to the communication network, a number of service providing networks, each connected to access adapters, a number of network terminals connected to the connectivity network and to a number of terminals. Service access points of the service providing networks are distributed to all the network terminals which belongs to subscribers of that particular service. Applications in the network terminals enhance and/or combines the services from different service providing networks and offers them to users via the terminals.</p>			

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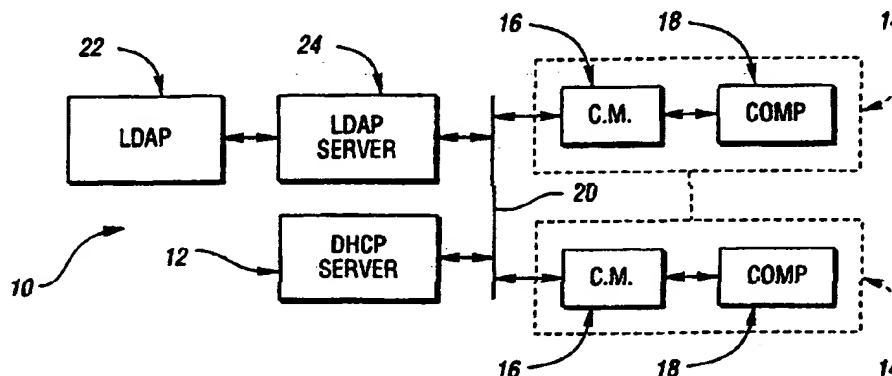


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(54) Title: METHOD AND SYSTEM FOR AUTOMATIC ALLOCATION OF RESOURCES IN A NETWORK



(57) Abstract

In a broadband cable data network (10), a method and system for automatically allocating network resources such as IP addresses to control access to the network utilizes at least one DHCP server (12), and a common network database formed from a LDAP directory (22) for storing respective user configuration parameters, hardware address registration, and current binding information. A DHCP server (12) can add new hardware address registrations to the LDAP using an "unregistered" service class. The DHCP server sends a DHCP reply tailored for unregistered devices, such as by allocating a privately-allocated IP address with no Internet access, or an IP address for a self-provisioning web server. A DHCP server views IP address allocation as having a short duration. Thus, if the IP network configuration does not change, user terminal will continue to receive the same allocated IP address due to the DHCP server's perception of an indefinite lease. The consistency of the IP addresses simplifies many operational concerns about dynamic addresses, such as minimizing DNS (domain name service) hostname updates, mapping IP addresses to user terminals during security incidents, etc.



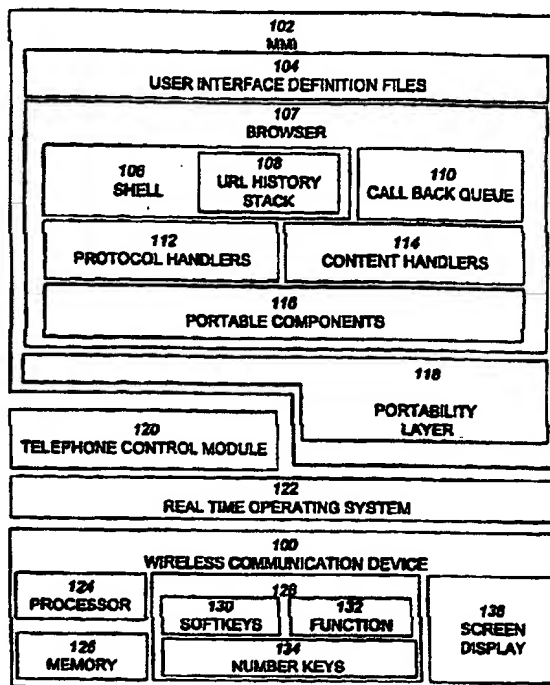
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(74) Agents: SACHS, Robert, R. et al.; Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA 94306 (US).		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	

(54) Title: WIRELESS COMMUNICATION DEVICE WITH MARKUP LANGUAGE BASED MAN-MACHINE INTERFACE

## (57) Abstract

A system, method, and software product provide a wireless communications device with a markup language based man-machine interface. The man-machine interface provides a user interface for the various telecommunications functionality of the wireless communication device, including dialing telephone numbers, answering telephone calls, creating messages, sending messages, receiving messages, establishing configuration settings, which is defined in markup language, such as HTML, and accessed through a browser program executed by the wireless communication device. This feature enables direct access to Internet and World Wide Web content, such as Web pages, to be directly integrated with telecommunication functions of the device, and allows Web content to be seamlessly integrated with other types of data, since all data presented to the user via the user interface is presented via markup language-based pages. The browser processes an extended form of HTML that provides new tags and attributes that enhance the navigational, logical, and display capabilities of conventional HTML, and particularly adapt HTML to be displayed and used on wireless communication devices with small screen displays. The wireless communication device includes the browser, a set of portable components, and portability layer. The browser includes protocol handlers, which implement different protocols for accessing various functions of the wireless communication device, and content handlers, which implement various content display mechanisms for fetching and outputting content on a screen display.



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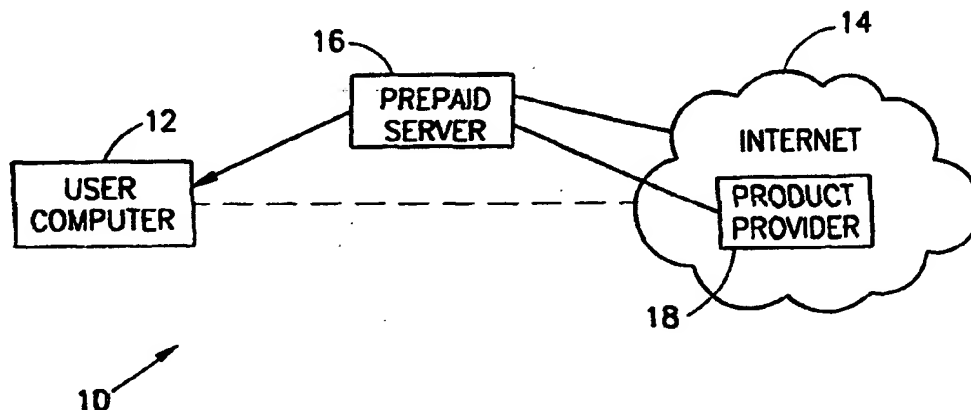
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(21) International Application Number: <b>PCT/IL99/00399</b>		(74) Agents: <b>FENSTER, Paul et al.; Fenster &amp; Company Patent Attorneys, Ltd., P. O. Box 10256, 49002 Petach Tikva (IL).</b>	
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(30) Priority Data: 125432 20 July 1998 (20.07.98) IL 60/103,473 8 October 1998 (08.10.98) US		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
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(54) Title: **INTERNET BILLING**



(57) Abstract

A method of pre-paid Internet access, comprising: accessing an Internet using a prepaid account, which access deducts from a balance of said account; and performing one or more activities while connected to said Internet, which activities modify said balance additionally to said accessing. These activities may increase or decrease the balance.